

=> file reg; d que 13  
FILE 'REGISTRY' ENTERED AT 14:20:13 ON 27 FEB 2003  
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STRUCTURE FILE UPDATES: 26 FEB 2003 HIGHEST RN 495373-62-1  
DICTIONARY FILE UPDATES: 26 FEB 2003 HIGHEST RN 495373-62-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

L3 635 SEA FILE=REGISTRY ABB=ON PLU=ON EGPWLEEEE|ELGPQGRPPPC/SQSFP

=> file caplus  
FILE 'CAPLUS' ENTERED AT 14:20:39 ON 27 FEB 2003  
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FILE COVERS 1907 - 27 Feb 2003 VOL 138 ISS 9  
FILE LAST UPDATED: 26 Feb 2003 (20030226/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que 19  
L3 635 SEA FILE=REGISTRY ABB=ON PLU=ON EGPWLEEEE|ELGPQGRPPPC/SQSFP  
L5 341 SEA FILE=CAPLUS ABB=ON PLU=ON L3  
L6 6111 SEA FILE=CAPLUS ABB=ON PLU=ON HEMOCYANIN?  
L9 1 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND L6

=> d que l10  
L3 635 SEA FILE=REGISTRY ABB=ON PLU=ON EGPWLEEEE|ELGPQGRPPPPC/SQSFP  
L5 341 SEA FILE=CAPLUS ABB=ON PLU=ON L3  
L7 3025 SEA FILE=CAPLUS ABB=ON PLU=ON TOXINS/CT (L) (DIPHTHERIA OR  
TETANUS)  
L10 0 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND L7

=> d que l11  
L3 635 SEA FILE=REGISTRY ABB=ON PLU=ON EGPWLEEEE|ELGPQGRPPPPC/SQSFP  
L5 341 SEA FILE=CAPLUS ABB=ON PLU=ON L3  
L8 486 SEA FILE=CAPLUS ABB=ON PLU=ON HYPERGASTRINEMIA  
L11 01 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND L8

=> s 19 or l11  
L12, 2 L9 OR L11

=> d l12 1-2 ibib ab hitrn

L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1997:181660 CAPLUS  
DOCUMENT NUMBER: 126:263155  
TITLE: Immunogenic compositions against gastrin peptides  
INVENTOR(S): Gevas, Philip C.; Karr, Stephen L.; Grimes, Stephen;  
Littenberg, Richard L.  
PATENT ASSIGNEE(S): Apton Corp., USA  
SOURCE: U.S., 25 pp., Cont.-in-part of U.S. Ser. No. 351,193,  
abandoned .  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5607676	A	19970304	US 1991-721638	19910722
US 5023077	A	19910611	US 1989-301353	19890124
WO 9008774	A1	19900809	WO 1990-US520	19900123
W: AU, BR, CA, DK, FI, HU, JP, KR, NO, SU, US, US				
AU 9050820	A1	19900824	AU 1990-50820	19900123
AU 645967	B2	19940203		
JP 04503072	T2	19920604	JP 1990-503438	19900123
JP 2526418	B2	19960821		
US 5622702	A	19970422	US 1994-219773	19940330
US 5609870	A	19970311	US 1994-285984	19940804
US 5785970	A	19980728	US 1995-462158	19950605
US 5866128	A	19990202	US 1995-465546	19950605
PRIORITY APPLN. INFO.:			US 1989-301353	19890124
			US 1989-351193	19890512
			WO 1990-US520	19900123
			US 1991-679212	19910419
			US 1991-721638	19910722
			US 1994-219773	19940330
			US 1994-285984	19940804

AB Immunogenic compns. useful for the treatment of ulcers or tumors whose growth is dependent on or stimulated by gastrin hormones are disclosed. The immunogenic compns. induce antibodies in a subject which selectively

neutralize the specific hormones. Pharmaceutical compns. comprising effective amts. of the immunogenic compns. and methods of treatment using the compns. are disclosed. A method of reversing the inventive treatments by neutralizing the antibodies induced in vivo is also disclosed.

IT 60675-77-6, Human gastrin-34 I *< use RN to match sequence to citation.*  
 RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (immunogenic compns. against human gastrin peptides as vaccine for  
 treating gastrin-dependent ulcers and tumors)

*Sequences shown  
 on next page.*

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1980:104699 CAPLUS  
 DOCUMENT NUMBER: 92:104699  
 TITLE: Secretory effects of gastrins on isolated perfused porcine pancreas  
 AUTHOR(S): Lindkaer Jensen, Steen; Rehfeld, J. F.; Holst, J. J.;  
 Fahrenkrug, J.; Nielsen, O. V.; Schaffalitzky de Muckadell, O. B.  
 CORPORATE SOURCE: Dep. Surg. Gastroenterol. C, Rigshosp., Copenhagen,  
 Den.  
 SOURCE: American Journal of Physiology (1980), 238(2),  
 E186-E192  
 CODEN: AJPHAP; ISSN: 0002-9513  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The effects of the 4 main forms of gastrin component I [9045-90-3], porcine gastrin-34I [60675-78-7], porcine gastrin-34II [60675-79-8], porcine gastrin-17I [14355-20-5], porcine gastrin II [18016-68-7], and porcine gastrin-14II [54135-52-3] on insulin [9004-10-8], glucagon [9007-92-5], and exocrine secretion were measured on the isolated perfused porcine pancreas. All gastrins were studied in concns. ranging from 10-11 to 10-8M. Depending on the glucose concn. in the perfusate, all 4 gastrins increased insulin or glucagon secretion in a dose-dependent manner in concns. above 10-10M. These concns. are slightly above the arterial concns. in normal pig and man, but they correspond to gastrin concns. measured in patients with achlorhydria and gastrinomas. The exocrine secretion was stimulated by all gastrins in a dose-dependent manner. The lowest concns. that stimulated flow rate were within the physiol. range, 10-11 and 10-10M. All gastrins induced maximal flow rate at a concn. of 10-9M. The sulfated form of gastrin-17 had the greatest efficacy. Thus, all gastrins may influence the exocrine secretion under normal conditions and the endocrine secretion in diseases with endogenous hypergastrinemia.  
 IT 60675-78-7 60675-79-8  
 RL: BIOL (Biological study)  
 (pancreas secretion response to)

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=> file reg
FILE 'REGISTRY' ENTERED AT 14:25:48 ON 27 FEB 2003
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```
=> s 113-115
L16      3 (L13 OR L14 OR L15)
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=> d rn cn sql kwic nte 1-3
```

L16 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2003 ACS  
RN 60675-79-8 REGISTRY *<use RN to match sequence to citation.*  
CN Gastrin-34 II (swine) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1-34-Gastrin II (pig)  
OTHER NAMES:  
CN Gastrin II (pig), . . .  
NTE modified (modifications unspecified)

type	----- location -----	description
uncommon	Glp-1	-

L16 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2003 ACS  
RN 60675-78-7 REGISTRY  
CN Gastrin-34 I (swine) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1-34-Gastrin I (pig)  
OTHER NAMES:  
CN Gastrin I (pig), . . .  
NTE modified

type	----- location -----	description
terminal mod.	Phe-34	-
uncommon	Glp-1	-

L16 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2003 ACS  
RN 60675-77-6 REGISTRY  
CN Gastrin-34 I (human) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1-34-Gastrin I (pig), 4-L-proline-14-L-proline-15-L-serine-22-L-leucine-  
OTHER NAMES:  
CN Human big. . .  
NTE modified

type	----- location -----	description
terminal mod.	Phe-34	-
uncommon	Glp-1	-

=> file home  
FILE 'HOME' ENTERED AT 14:27:29 ON 27 FEB 2003